Quiz 7

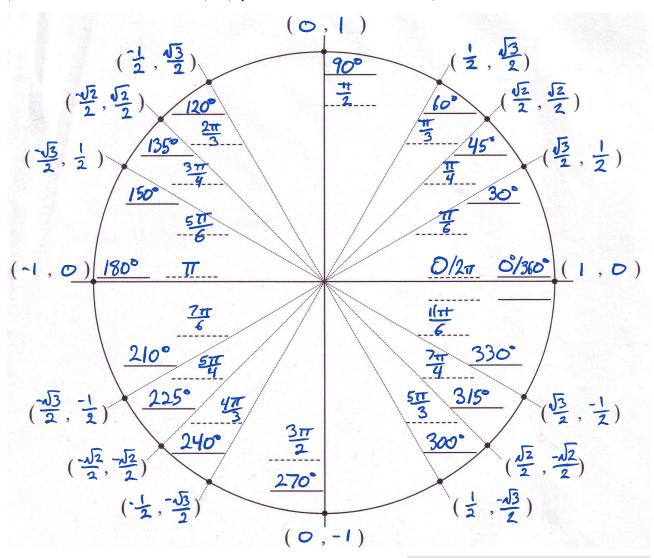
Math 3C: Precalculus December 2, 2019

When you finish, please remain seated until class is dismissed

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Problem 1 (10 points). Fill in the blanks of the unit circle drawn below. In the parentheses, write the **coordinates** of each point; on the solid line write the angle measure in **degrees**, and on the dotted line write the angle measure in **radians**.

(there are two extra lines near (1,0), you can leave those two blank)



THERE IS A SECOND PAGE

Version B

EXTRA CREDIT:

(2 points each)

What is $\sec\left(\frac{4\pi}{3}\right)$?

$$Sec(\frac{4\pi}{3}) = \frac{1}{\cos(\frac{4\pi}{3})} = \frac{1}{\frac{-1}{2}} = -2$$

What is the period of $f(x) = 6\cos(3x)$?

vertical 1 Horizontal stretch by factor stretch (net relevant) of 3

What is the range of $g(x) = -\sin(x) + 4$?

Range of sin(x): [-1,1]

Range of -sin(x): [-1, 1] (add 4)

Range of -sin(x)+4: [3,5]